



D0 Status Report

7/25/2005

Taka Yasuda
Fermilab



Data Taking for 7/18 – 7/24

Day	Delivered	Recorded	Eff.	Comments
7/18 (Mon)	2.52 pb ⁻¹	2.14 pb ⁻¹	85 %	L3 supervisor problem at the beginning of store 4280. p halo increased due to C4 Quad roll.
7/19 (Tue)	0.86 pb ⁻¹	0.80 pb ⁻¹	93 %	CTT sectors 78 & 79 dead.
7/20 (Wed)	2.25 pb ⁻¹	2.07 pb ⁻¹	92 %	
7/21 (Thu)	0.48 pb ⁻¹	0.42 pb ⁻¹	89 %	
7/22 (Fri)	1.79 pb ⁻¹	1.62 pb ⁻¹	91 %	
7/23 (Sat)	1.88 pb ⁻¹	1.78 pb ⁻¹	95 %*	Controlled access to investigate the CTT problem.
7/24 (Sun)	3.18 pb ⁻¹	2.97 pb ⁻¹	94 %	

* 4th best day in terms of the efficiency

7/18 – 7/24	12.96 pb ⁻¹	11.80 pb ⁻¹	91 %	
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Store Statistics

Store	Init Lum	Duration	Delivered	Recorded	Eff.	Comments
4280	101E30 (80E30)	16 hours	2.73 pb ⁻¹	2.18 pb ⁻¹	80 %	L3 supervisor problem at the beginning of store. Store aborted.
4285	64E30	24 hours	2.31 pb ⁻¹	2.11 pb ⁻¹	91 %	
4287	95E30	0.5 hours	0.14 pb ⁻¹	0.13 pb ⁻¹	90 %	Store aborted.
4291	53E30	9 hours	1.09 pb ⁻¹	1.03 pb ⁻¹	95 %	TeV quench.
4293	80E30	24 hours	2.90 pb ⁻¹	2.67 pb ⁻¹	92 %	
4295	91E30	28 hours	3.39 pb ⁻¹	3.12 pb ⁻¹	93 %	
4296	107E30					On going.

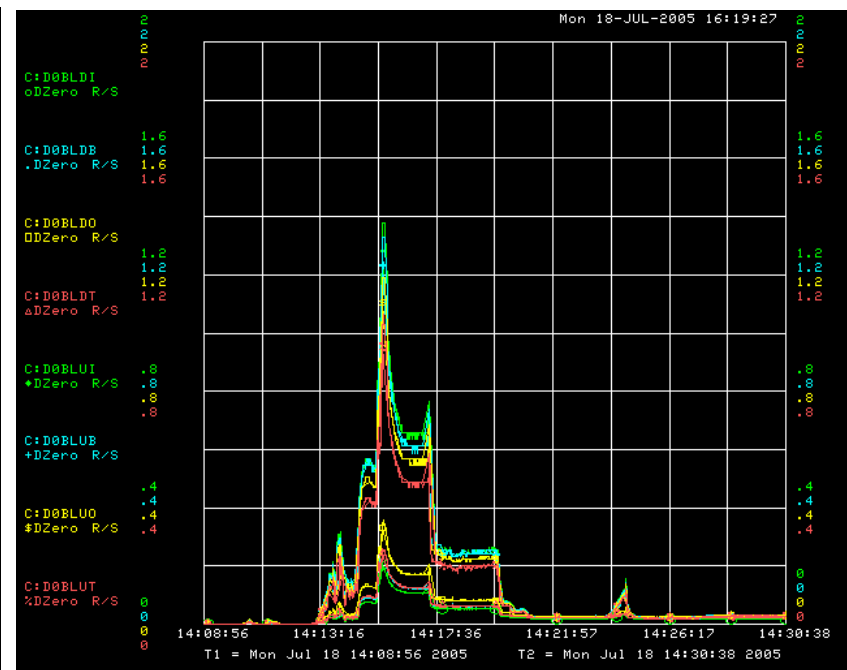
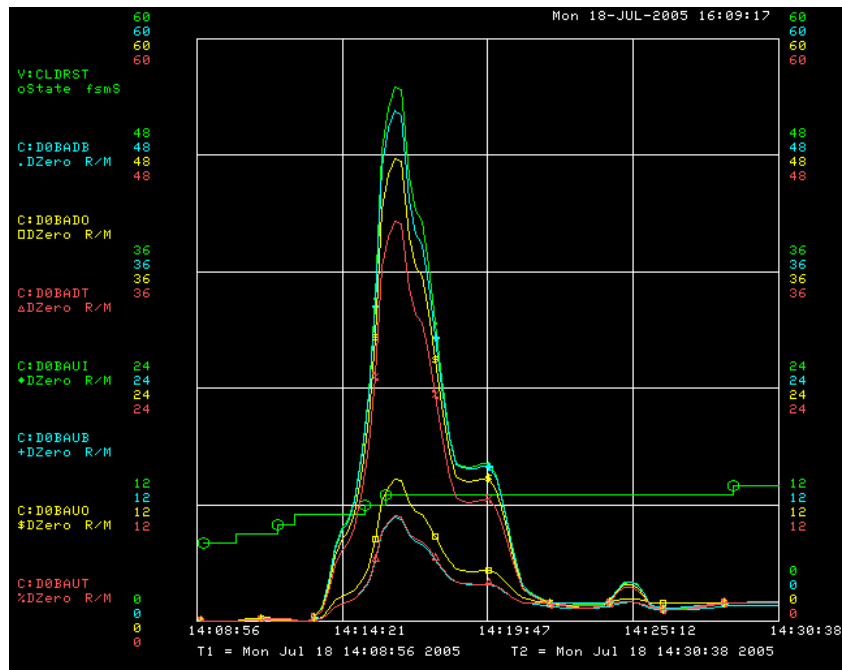


Notable events

- SMT rad alarm went off at the beginning of store 4280.
- Proton halo increased 10-fold during the course of store 4280 due to C4 Quad roll.
- Lost CTT sectors 78 and 79 on 7/19 (Tue).
 - Missing 2 out of 80 sectors.
 - Have done investigations and now have a good idea of the problem.
 - Trying to come up with a solution.
- Delivered luminosity to D0 surpassed 1000 pb^{-1} on 7/24 (Sun).
 - Many thanks to the Accelerator Division.
 - Recorded 830 pb^{-1} .

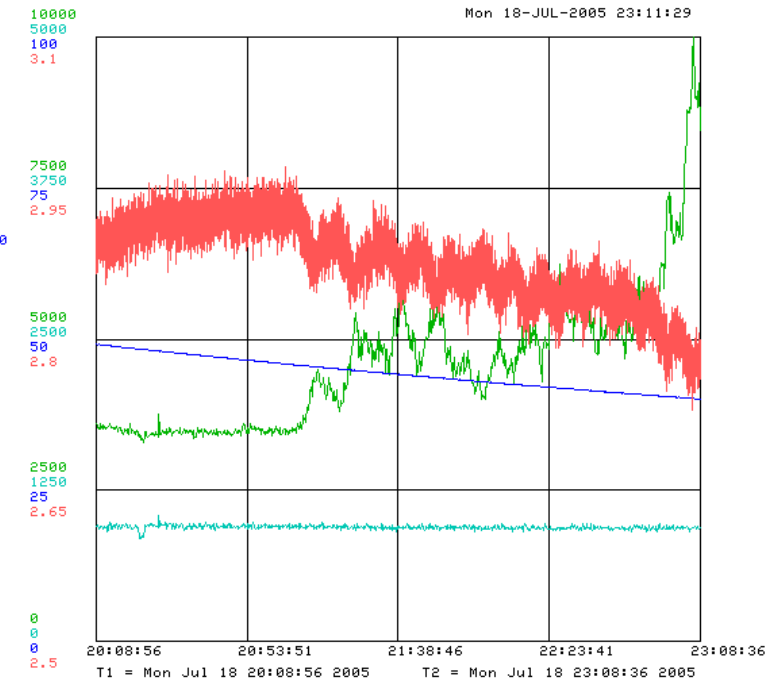
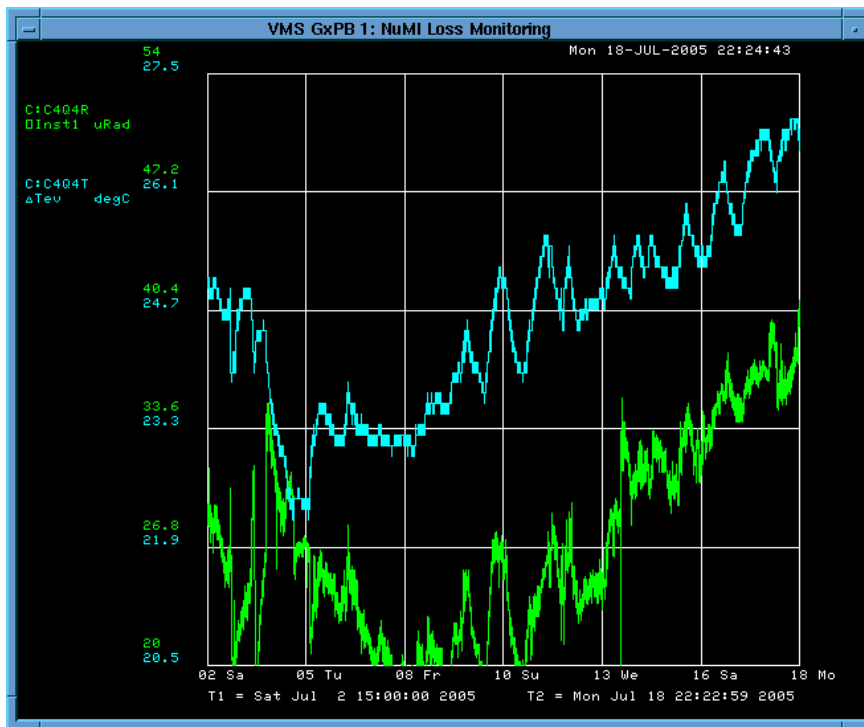


BLM Dose for Store 4280





P Halo Increase and C4 Quad Roll

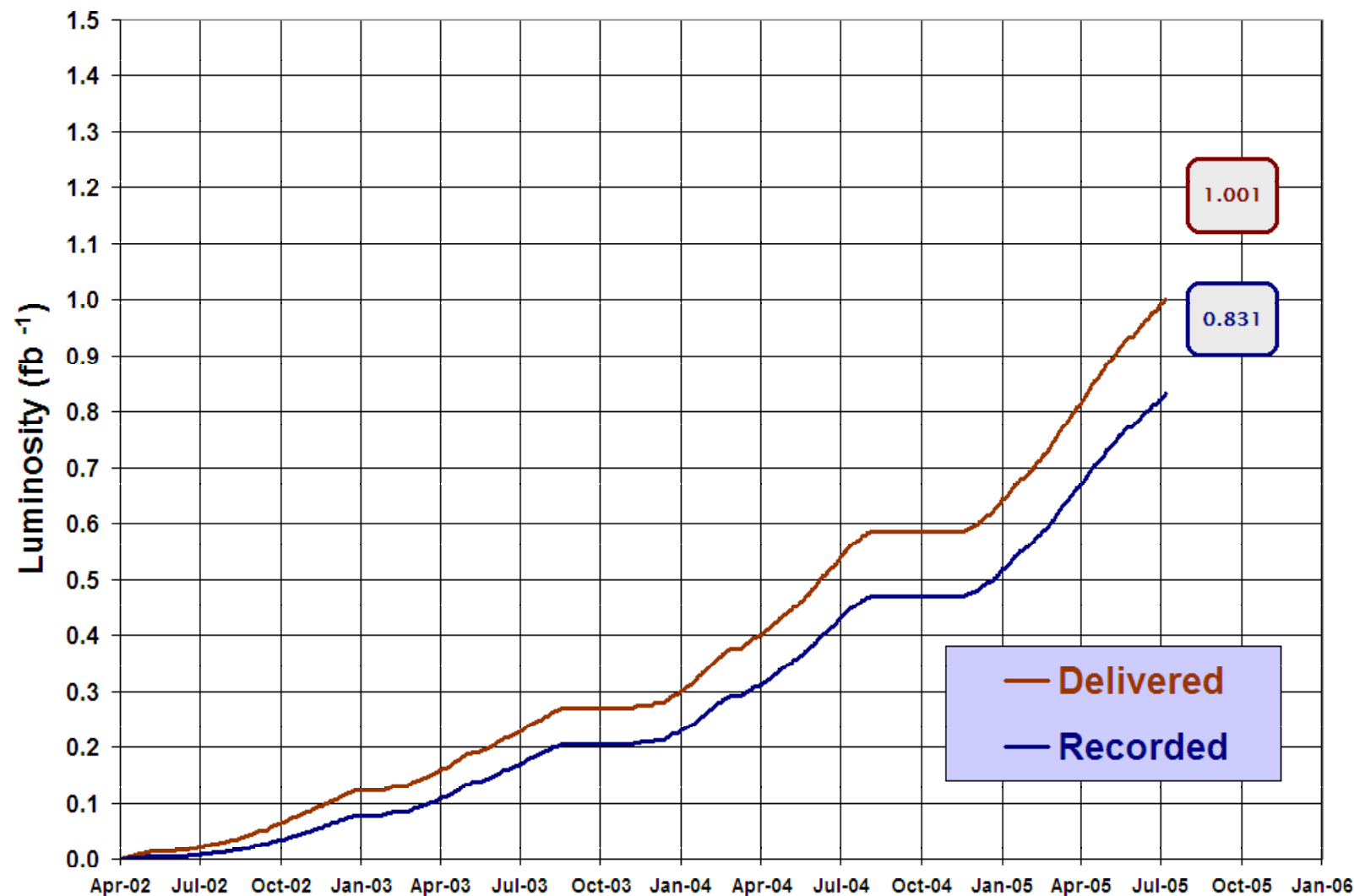


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Run II Integrated Luminosity



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